

Invited Talk

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## Active Ageing and Neural Decay Prevention: New Roles for Enactive Artificial Intelligence

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**Abstract** - The main aim of the talk is to present innovative roles of Enactive Artificial Intelligence for neural decay prevention in the active ageing framework. After a brief introduction to the problem of neural decay prevention through benchmark examples, the enactive artificial intelligence approach will be illustrated. Then, the case of new innovative enaction-based technologies producing binaural sounds will be showed as example of music therapy for neural stimulation to prevent decay. Finally, some production of synthetic music based on complex discrete systems will be presented.